

1/11

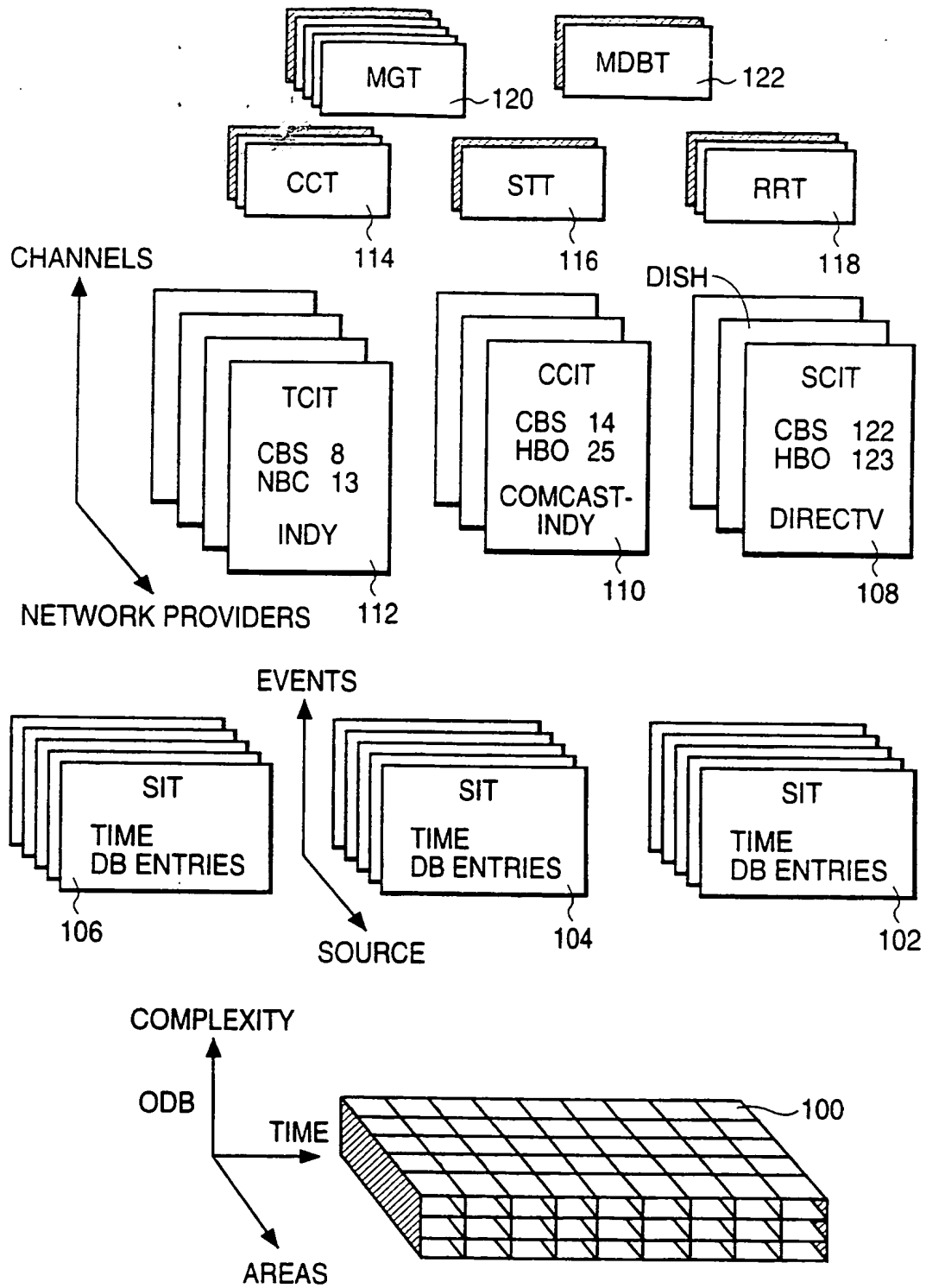


FIG. 1

2/11

09/622329

130

SYNTAX	BITS	FORMAT
master_guide_table_section () {		
table_id	8	0x91
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
network_provider	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	0x00
last_section_number	8	0x00
protocol_version	8	uimsbf
number_networks_defined	16	uimsbf
table_types_defined	16	uimsbf
for (i=0;<table_types_defined;i++){		
table_type	16	uimsbf
reserved	3	'111'
table_type_PID	13	uimsbf
reserved	3	'111'
table_type_version_number	5	uimsbf
number_bytes	32	uimsbf
reserved	4	'1111'
table_type_descriptors_length	12	uimsbf
for (k=0;k<N;k++){		
descriptor()	var	
}		
reserved	4	'1111'
descriptors_length	12	uimsbf
for (l = 0;l<N;l++){		
descriptor()	var	
CRC_32	32	rpchof
}		

FIG. 2

3/11

09/622329

140

SYNTAX	BITS	FORMAT
terrestrial_channel_information_table_section () {		
table_id	8	0x95
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
network_provider	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
num_channels_in_section	8	uimsbf
for (i=0;i<num_channels_in_section;i++){		
short name	7*16	unicode BMP
reserved	4	'1111'
major_channel_number	10	uimsbf
minor_channel_number	10	uimsbf
modulation_mode	8	uimsbf
carrier_frequency	32	uimsbf
channel_TSID	16	uimsbf
program_number	16	uimsbf
access_controlled	1	bslbf
hidden	1	bslbf
reserved	8	0xFF
service_type	6	uimsbf
source_id	16	uimsbf
carousel_id	32	uimsbf
reserved	6	'111111'
descriptors_length	10	uimsbf
for (i=0;i<N;i++) {		
descriptors()		
}		
}		
reserved	6	'111111'
additional_descriptors_length	10	uimsbf
for(j=0;j<N;j++) {		
additional_descriptors()		
}		
CRC_32	32	rpchof
}		

FIG. 3

009160 622329

09/622329

4/11

SYNTAX	BITS	FORMAT
multimedia_object_section () {		
table_id	8	0x3C
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
moduleId	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	uimsbf
last_section_number	8	uimsbf
protocolDiscriminator	8	uimsbf
dsmccType	8	0x11
messageId	8	0x03
carouselId	16	0x1003
reserved	32	uimsbf
adaptionLength	8	0xFF
messageLength	8	0x00
moduleId	16	uimsbf
moduleVersion	16	uimsbf
reserved	16	uimsbf
blockNumber	8	uimsbf
Object_data ()	8	0xFF
CRC_32	16	uimsbf
}	32	rpchof

150

FIG. 4

009180-622329

5/11

09/1622329

SYNTAX	BITS	FORMAT
channel_basic_information_file_section () {		
table_id	8	0x3C
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
moduleId	16	0x0001
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	0x00
last_section_number	8	0x00
protocolDiscriminator	8	0x11
dsmccType	8	0x03
messageId	16	0x1003
carouselId	32	uimsbf
reserved	8	0xFF
adaptionLength	8	0x00
messageLength	16	uimsbf
moduleId	16	0x0001
moduleVersion	8	uimsbf
reserved	8	0xFF
blockNumber	16	0x0000
number_modules	16	uimsbf
for (i=0;i<number_modules;i++){		
moduleId	16	uimsbf
number_blocks	16	uimsbf
reserved	4	'1111'
moduleSize	28	uimsbf
moduleVersion	8	uimsbf
}		
reserved	4	'1111'
descriptors_length	12	
for (i=0;i<N;i++) {		
descriptor()		
}		
CRC_32	32	rpchof
}		

FIG. 5

6/11

09/622329

SYNTAX	BITS	FORMAT
event_basic_information_file_section () {		
table_id	8	0x3C
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
moduleId	16	0x0002
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	0x00
last_section_number	8	0x00
protocolDiscriminator	8	0x11
dsmccType	8	0x03
messageId	16	0x1003
carouselId	32	uimsbf
reserved	8	0xFF
adaptionLength	8	0x00
messageLength	16	uimsbf
moduleId	16	0x0002
moduleVersion	8	uimsbf
reserved	8	0xFF
blockNumber	16	0x0000
title_length	8	uimsbf
title_text()	var	
number_modules	16	uimsbf
for (i=0;i<number_modules;i++) {		
moduleId	16	uimsbf
number_blocks	16	uimsbf
reserved	4	'1111'
moduleSize	28	uimsbf
moduleVersion	8	uimsbf
}		
reserved	4	'1111'
descriptors_length	12	
for (i=0;i<N;i++) {		
descriptor()		
}		
CRC_32	32	rpchof
}		

FIG. 6

009780 622329

7/11

09/622329

SYNTAX	BITS	FORMAT
control_basic_information_file_section () {		
table_id	8	0x3C
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
moduleId	16	0x0003
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
section_number	8	0x0000
last_section_number	8	0x0000
protocolDiscriminator	8	0x11
dsmccType	8	0x03
messageId	16	0x1003
carouselId	32	uimsbf
reserved	8	0xFF
adaptionLength	8	0x00
messageLength	16	uimsbf
moduleId	16	0x0003
moduleVersion	8	uimsbf
reserved	8	0xFF
blockNumber	16	0x0000
number_modules	16	uimsbf
for (i=0;i<number_modules;i++) {		
moduleId	16	uimsbf
number_blocks	16	uimsbf
reserved	4	'1111'
moduleSize	28	uimsbf
moduleVersion	8	uimsbf
}		
reserved	4	'1111'
descriptors_length	12	
for (i=0;i<N;i++) {		
descriptor()		
}		
CRC_32	32	rpchof
}		

FIG. 7

	MSB			LSB		
Bit	31	24	23	16	15	0
carouselId	time		area		dirNumber	

FIG. 8

8/11

09/622329

SYNTAX	BITS	FORMAT
master_database_table_section () {		
table_id	8	0x92
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
table_id_extension	16	0x0000
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	'1'
170 section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
number_cells_defined	24	uimsbf
172 * number_cells_in_section	24	uimsbf
for (i=0;i<number_cells_in_section;i++) {		
cell_type	24	uimsbf
reserved	3	'111'
cell_type_PID	13	uimsbf
reserved	3	'111'
174 cell_type_version_number	5	uimsbf
number_bytes	32	uimsbf
reserved	4	'1111'
176 cell_type_descriptors_length	12	uimsbf
for (k=0;k<N;k++)		
descriptor()	var	
}		
178 CRC_32	32	rpchof
}		

FIG. 9

	MSB		LSB	
Bit	23	16	8	7
179 cell_type	time		area	complexity

FIG. 10

09/622329

9/11

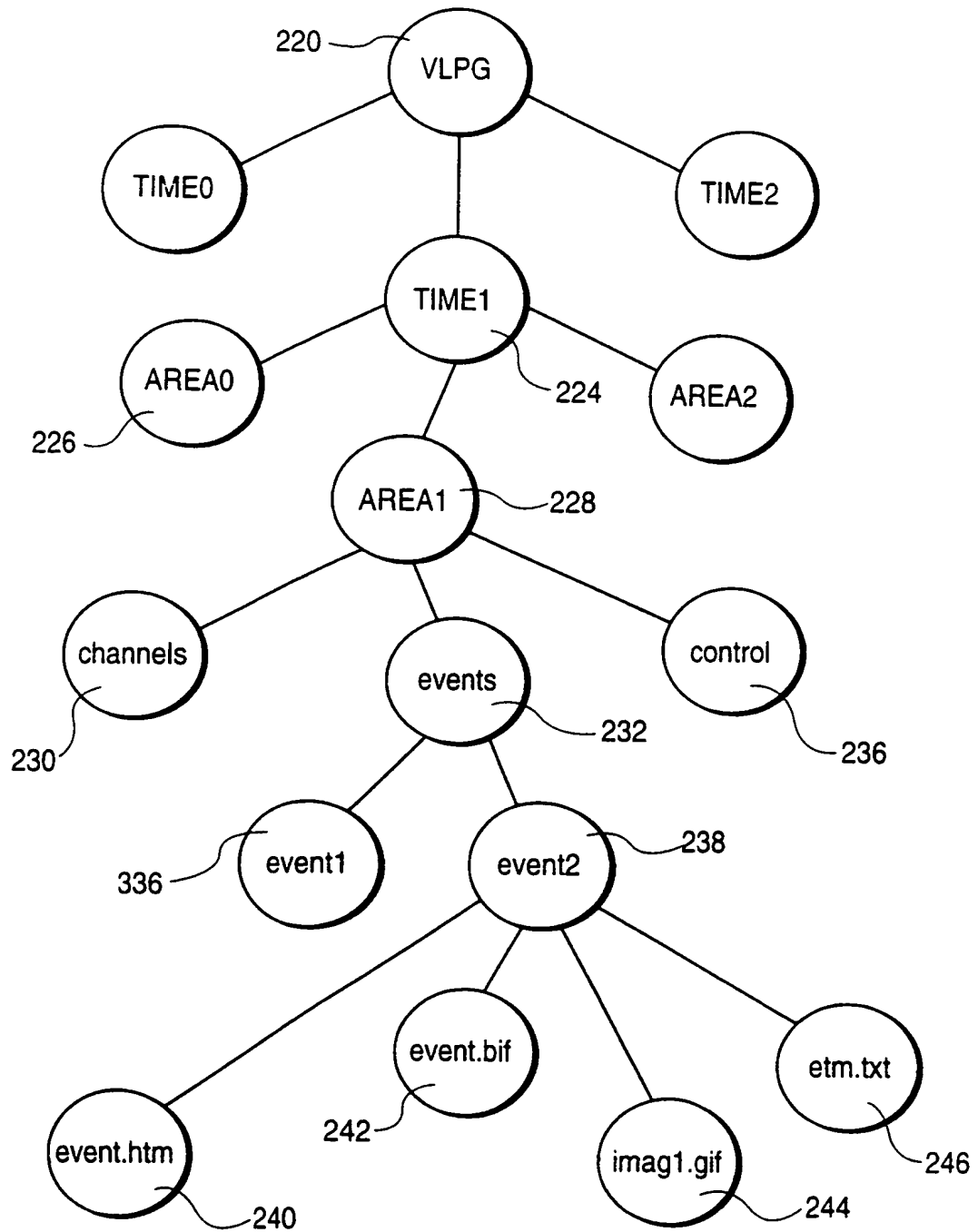


FIG. 11

09/622329

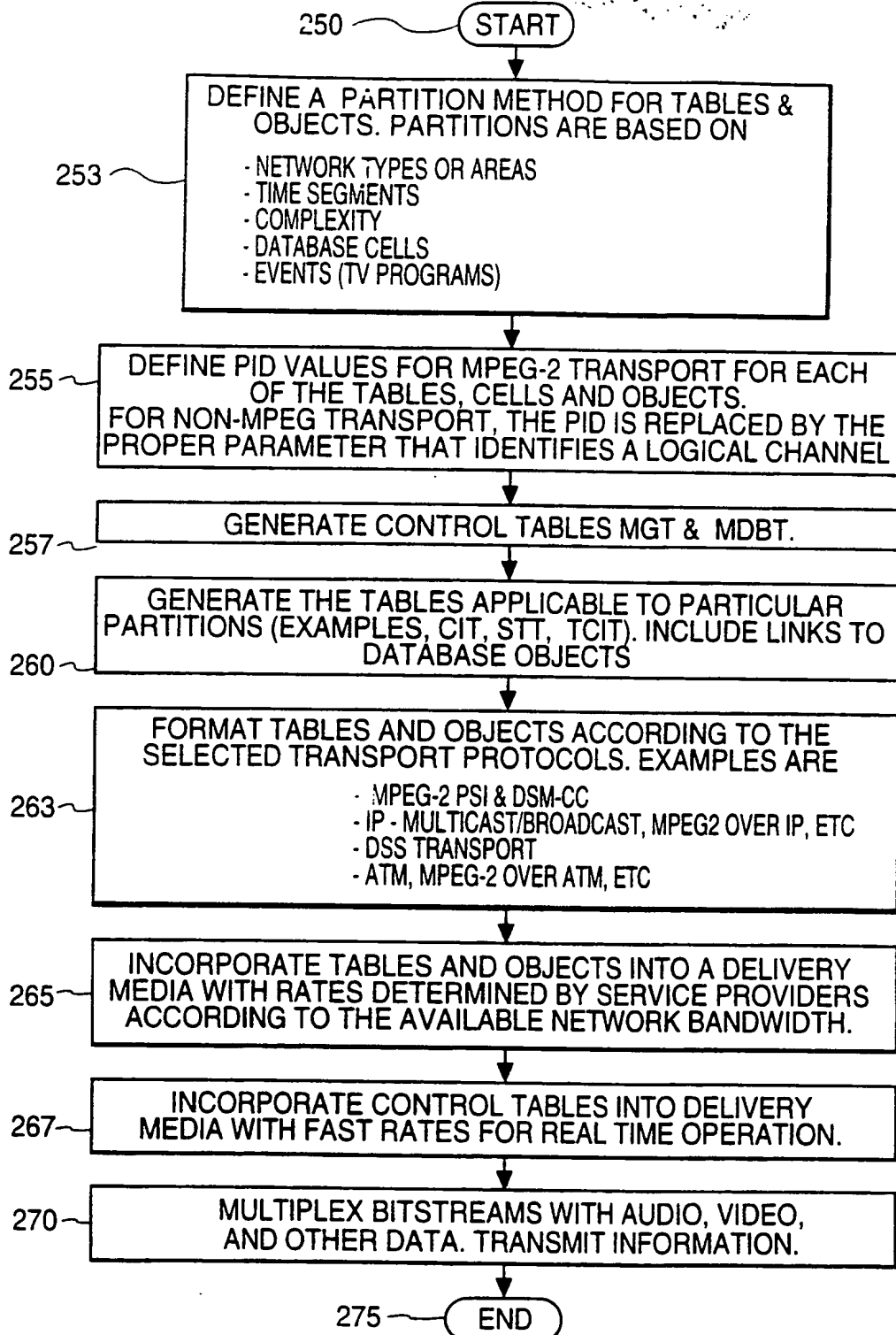


FIG. 12

09/622329

11/11

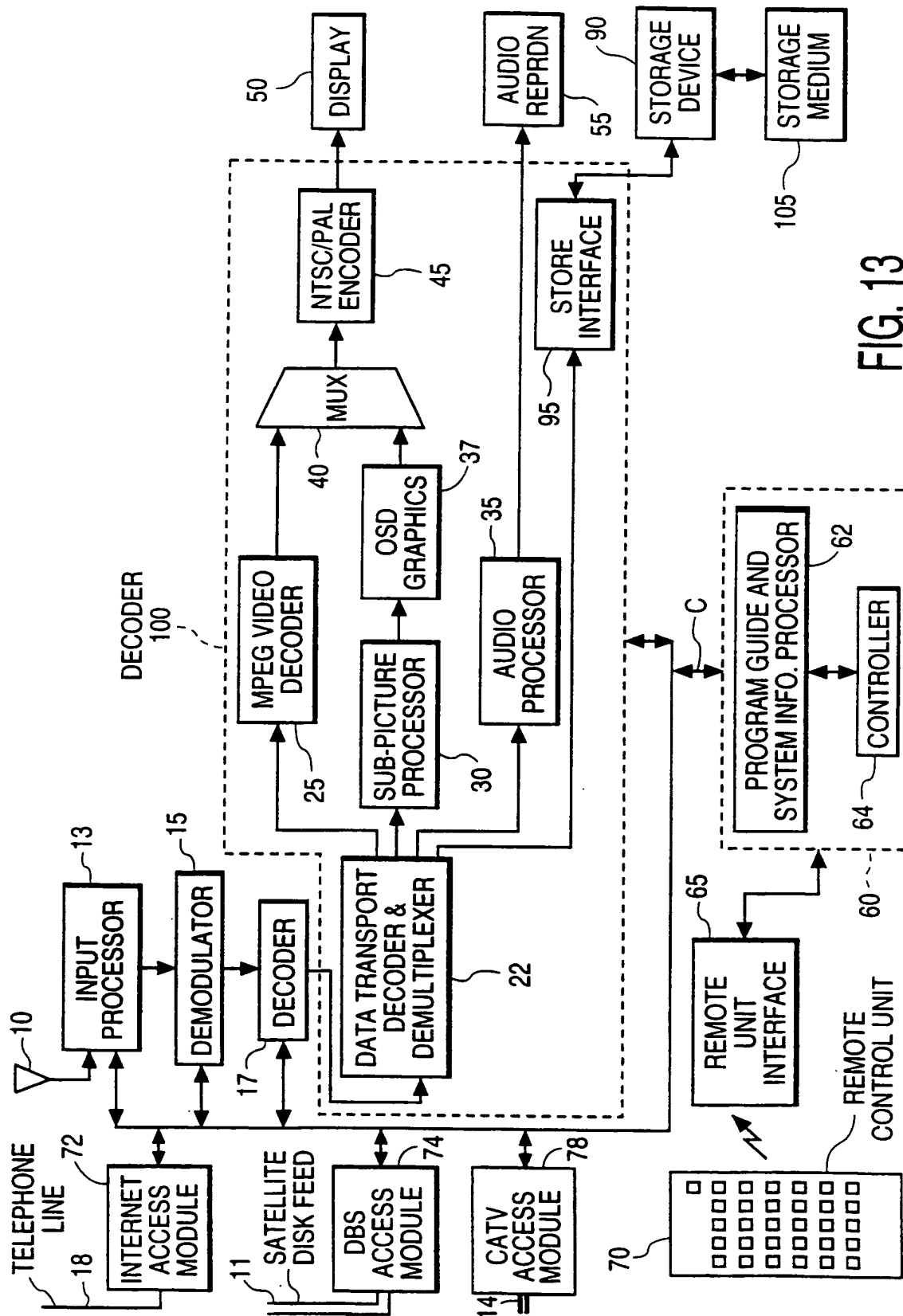


FIG. 13